

1. University College London Hospitals NHS Trust, 2. King's College Hospital NHS Trust, 3. St George's University Hospitals NHS Trust

To improve junior paediatric trainees' confidence in practical neonatal skills through a face-to-face workshop.

- We held a face-to-face regional neonatal workshop for ST1 London paediatric trainees at St George's Advanced Patient Simulation Centre (GAPS) shortly after their training commenced
- Trainees rotated through 8 interactive workshops: ventilation, less-invasive surfactant administration (LISA), full-term and pre-term simulation scenarios, longline insertion, parenteral nutrition (PN), cranial ultrasound (CRUSS), and cerebral function monitoring (CFM)
- Trainees rated their confidence from 1 (not confident) to 5 (very confident) in the range of neonatal skills covered, directly or indirectly, during the workshops, via pre- and post-course questionnaires.
- A two-tailed unpaired t-test on Microsoft Excel was used to compare the mean trainee confidence score for each skill pre- and post-course.

- Of 32 trainees, 31 (96.9%) and 29 (90.6%) completed the pre- and post-course questionnaires respectively
- **Figure 1** demonstrates a bar chart, comparing the mean trainee confidence scores before and after attending our face-to-face ‘Neonatal Crash Course’
- Across all the skills covered, mean confidence scores pre- and post-course increased significantly by 94-201% ($p < 0.001$).
- **Figure 2** demonstrates a ‘word cloud’ from the written feedback provided by trainees post-course

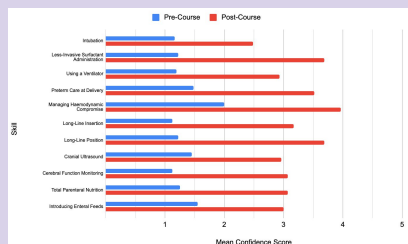


Figure 7



Figure 2

We have demonstrated that face-to-face workshop-based neonatal education can significantly improve confidence in trainees new to neonatology. We plan to longitudinally follow-up our attendees' confidence scores over the course of their first training year, with a view to integrating our workshop into the LSP regional teaching programme on a 6-12 monthly basis.



Neonatal Crash Course Faculty
(image taken with consent)

References

1. United Kingdom Foundation Programme; Foundation Programme (UKFP); UK Foundation Programme; 2022; Accessed: Dec 2022; Available: <https://foundationprogramme.nhs.uk/programmes/2-year-foundation-programme/ukfp/>

- Aghababaei A, Downes A. 'Virtual neonatal crash course': quality improvement in neonatal teaching for paediatric trainees. *Postgrad Med J*. 2023 Jul 21;99(1174):934-940.